



BPC Receipt Acknowledgement Profile

Version 1.0

August 2022



Business Payments Coalition

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2 Introduction

2.1 Scope

This document specifies the syntax and semantic structure of the Receipt Acknowledgement document type of the BPC Exchange Framework. The Receipt Acknowledgement is a business level response message used to signal that a business document has been received by its final recipient (Corner 4).

2.2 Conformance

The keywords 'MUST', 'MUST NOT', 'REQUIRED', 'SHALL', 'SHALL NOT', 'SHOULD', 'SHOULD NOT', 'RECOMMENDED', 'MAY', and 'OPTIONAL' in this specification are to be interpreted as described in RFC2119 and RFC 8174 when, and only when, they appear in all capitals, as shown here.

2.3 Terms and Definitions

For the purpose of this specification, all terms shall have the definitions defined in section 2.3 of the E-invoice Exchange Framework – Approach to Managing a Federated Registry Services Model in a Four-Corner Network report found here:

<https://businesspaymentscoalition.org/wp-content/uploads/bpc-e-delivery-network-validation-exercise-2020.pdf>

2.4 Normative status

This document is the sole normative specification of a Receipt Acknowledgement message in the BPC Exchange Framework. All Access Points implementing Receipt Acknowledgement messages MUST conform to this document.

All contents of this document, except for the provided examples, is normative, unless otherwise specified. All examples provided are non-normative, unless otherwise specified.

Any supporting artefacts developed in relation to this document are non-normative, unless explicitly referenced from this document as being normative. In case of discrepancies between this document and any supporting or related artefact, this document contains the normative information.



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3 General Use

3.1 Business Document Type Identifier

The following identifier has been created using the bdx-docid-qns scheme and in accordance with BPC Identifier Policy, and MUST be used when referencing this Receipt Acknowledgement profile:

```
urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse-2::ApplicationResponse##bpc-1.0- receiptacknowledgement
```

All implementations and uses of the Receipt Acknowledgement within the BPC Exchange Framework using the above identifier MUST be conformant with this document. All representations of the Receipt Acknowledgement identifier MUST be in accordance with the BPC Identifier Policy.

3.2 Encoding

Receipt Acknowledgement documents MUST be UTF-8 encoded.

4 Data Model

4.1 Use of OASIS UBL 2.3

The BPC Exchange Framework's Receipt Acknowledgement message is a profile of the Application Response document type specified in the OASIS UBL 2.3 specification:

<https://docs.oasis-open.org/ubl/os-UBL-2.3/UBL-2.3.html>

All Receipt Acknowledgement messages sent through the BPC Exchange Framework MUST conform to all conformance clauses in section 6.1 of the above specification.

4.2 Data model

The table below defines the normative data model for the Receipt Acknowledgement message. A sender MAY include additional elements and attributes; however, they MUST NOT require that a receiver be capable of understanding them.

Element or attribute	Cardinality	Definition and use
DocumentStatus	1..1	Root element of the Receipt Acknowledgement.
^L UBLVersionID	1..1	The version of UBL being used. MUST be set to exactly 2.3.



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└ CustomizationID	1..1	The Business Document Type identifying the type and version of the Receipt Acknowledgement being sent. MUST conform to section of this document.
└ ID	1..1	An identifier assigned by the Sender Party for the Receipt Acknowledgement. The combination of Sender Party and ID MUST be unique.
└ IssueDate	1..1	The date the Receipt Acknowledgement was created. MUST be in ISO 8601 format.
└ IssueTime	0..1	The OPTIONAL time of day the Receipt Acknowledgement was created. MUST be presented in UTC time zone and MUST be in ISO 8601 format.
└ Note	0..1	An OPTIONAL human readable note.
└ SenderParty	1..1	The party <i>sending</i> the Receipt Acknowledgement. This MUST always be the same party that received the referenced business document (i.e., Corner 4).
└└ PartyIdentification	1..1	Identification of the Sender Party.
└└└ ID	1..1	The Business Identifier used to identify the Sender Party in the network, as specified in the BPC Identifier Policy.
└└└ ID/@schemeID	1..1	The identifier of the scheme used to issue the Sender Party's Business Identifier, as specified in the BPC Identifier Policy.
└ ReceiverParty	1..1	The party <i>receiving</i> the Receipt Acknowledgement. This MUST always be the same party that sent the referenced business document (i.e., Corner 1).
└└ PartyIdentification	1..1	Identification of the Receiver Party.
└└└ ID	1..1	The Business Identifier used to identify the Receiver Party in the network, as specified in the BPC Identifier Policy.
└└└ ID/@schemeID	1..1	The identifier of the scheme used to issue the Receiver Party's Business Identifier, as specified in the BPC Identifier Policy.
└ DocumentResponse	1..1	The response to the referenced business document. The Document Response message MUST NOT have other meanings than just acknowledging the receipt of the business document. Consequently, there MUST always be exactly one document response.



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LL Response	1..1	The specific response.
LLL ResponseCode	1..1	A code signifying the type of response. The code MUST be exactly RECEIVED, signifying that the business document has been received.
LL DocumentReference	1..1	Contains information that references the business document that was received. The Document Response MUST be unambiguously referencing the business document message that it is responding to, and therefore MUST contain exactly one document reference.
LLL ID	1..1	The identifier if the document being referenced.
LLL IssueDate	0..1	The OPTIONAL date that the referenced business document was issued, that it may help the receiver of the Document Response identifying the document.
LLL IssueTime	0..1	The OPTIONAL time that the referenced business document was issued, that it may help the receiver of the Document Response identifying the document.
LLL VersionID	0..1	An OPTIONAL identifier of a specific version of the referenced document, for example if an original document has been corrected.

5 Appendix A: Example (non-normative)

```

<?xml version="1.0" encoding="UTF-8"?>
<DocumentStatus xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns="urn:oasis:names:specification:ubl:schema:xsd:DocumentStatus-2"
  xmlns:cac="urn:oasis:names:specification:ubl:schema:xsd:CommonAggregateComponents-2"
  xmlns:cbc="urn:oasis:names:specification:ubl:schema:xsd:CommonBasicComponents-2">
  <cbc:UBLVersionID>2.3</cbc:UBLVersionID>
<cbc:CustomizationID>urn:oasis:names:specification:ubl:schema:xsd:DocumentStatus-
2::DocumentStatus##bpc-1.0-receipt-acknowledgement</cbc:CustomizationID>
  <cbc:ID>example-receipt-acknowledgement-1234</cbc:ID>
  <cbc:IssueDate>2022-07-25</cbc:IssueDate>
  <cbc:IssueTime>10:00:00Z</cbc:IssueTime>
  <cbc:Note>We acknowledge having received your invoice number xxxx</cbc:Note>
  <cac:SenderParty>
    <cac:PartyIdentification>
      <cbc:ID schemeID="DUNS">123456789</cbc:ID>
    </cac:PartyIdentification>
  </cac:SenderParty>
  <cac:ReceiverParty>
    <cac:PartyIdentification>
      <cbc:ID schemeID="EIN">987654321</cbc:ID>
    </cac:PartyIdentification>
  </cac:ReceiverParty>
  <cac:DocumentResponse>
    <cac:Response>

```



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```
<cbc:ResponseCode>RECEIVED</cbc:ResponseCode>
</cac:Response>
<cac:DocumentReference>
  <cbc:ID>invoice-2022-00011</cbc:ID>
  <cbc:IssueDate>2022-06-26</cbc:IssueDate>
</cac:DocumentReference>
</cac:DocumentResponse>
</DocumentStatus>
```